No.



200200030

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE: PRESENTS SHAVE COME::

Mestern Plant Breeders

DUCCOS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HERBUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITIORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, A CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN UCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY SCITION ACT. (84 STAT, 1542, AS AMENDED, 7 U.S.C. 2221 ET SEQ.)

WHEAT, DURUM

'Orita'

In Testimon Agester. I have hereunto set my hand and caused the seal of the Hant Entirity Acotection Office to be affixed at the City of Washington, D.C. this fifth day of Tebruary, in the year two thousand two.

anterenan

Secretary of Agriculture

Palim. Zahi

ommissioner

Plant Variety Protection Office Agricultural Marketing Service

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995. APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2428). (Instructions and information collection burden statement on reverse) 1. NAME OF OWNER 2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME 3. VARIETY NAME Western Plant Breeders, Inc. YU895-89 Orita 4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 5. TELEPHONE (Include area code) FOR OFFICIAL USE ONLY 8111 Timberline Drive 406-587-1218 **PVPO NUMBER** Bozeman, MT 59718 002000303 6. FAX (include area code) 406-586-8247 FILING DATE 7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) 8. IF INCORPORATED, GIVE STATE OF INCORPORATION 9. DATE OF INCORPORATION 11-58-5001 Corporation Arizona Aug. 24, 1990 10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) FILING AND EXAMINATION Kim C. Shantz Western Plant Breeders · 2705.00 P.O. Box 6904 DATE 11/28/2001 Yuma, AZ\$ 320,00 DATE 01/30/2002 11. TELEPHONE (Include area code) 12. FAX (Include area code) 13. E-MAIL 14. CROP KIND (Common Name) 928-782-2749 928-782-2751 kshantz@westbred.com Durum Wheat 15. GENUS AND SPECIES NAME OF CROP 16. FAMILY NAME (Bottonical) 17. IS THE VARIETY A FIRST GENERATION Triticum durum Poaceae ☐ YES □ NO 18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on 19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act) Exhibit A. Origin and Breeding History of the Variety a. 🔲 YES (If "yes", answer items 20 and 21 below) NO (If "no", go to item 22) Exhibit B. Statement of Distinctness 20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? ☐ YES Exhibit D. Additional Description of the Variety (Optional) IF YES, WHICH CLASSES? | FOUNDATION | REGISTERED Exhibit E. Statement of the Basis of the Owner's Ownership CERTIFIED Voucher Sample (2,500 viable untracted seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public 21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS Ø NO g. Tiling and Examination Fee (\$2,705), made payable to "Treesurer of the United States" (Mail to the Plant Variety Protection Office) IF YES, SPECIFY THE FOUNDATION REGISTERED CERTFIED * NUMBER 1,2,3, etc. (If additional explanation is necessary, please use the space indicated on the reverse.) HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENTY) X YES □ NO Z NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.) IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.) 14. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replanished upon request in accordance with such requisitions as may be applicable, or for a tuber propagated variety a lissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(ere) informed that faice representation herein can jeopardize protection and result in panelties. SIGNATURE OF OWNER SIGNATURE OF OWNER IAME (Please print or type) Kim C. Shantz Dan R. Biggerstaff **CAPACITY OR TITLE** CAPACITY OR TITLE

10/23/200

V.P./General Manager

Wheat Breeder

20/2001

ENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed polication form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid ariety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense at it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 320 filing fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial oplications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety rotection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Bettsville, MD 20705-2351. Retain one copy for your files. All items on the ice of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use asking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

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FM

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

- la. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
 - (2) the details of subsequent stages of selection and multiplication;
 - (3) evidence of uniformity and stability; and
 - (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively:
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- k. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- id. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- le. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
-), If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 1. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety cluding any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

> December 4, 2000, United States of America Certified Seed sold by Barkley Seed Company

. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the riety is protected by intellectual property right (Plant Breeder's Right or Patent).)

DTES: it is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's presentative during the life of the application/certificate. There is no charge for filling a change of address. The fee for filling a change of ownership or signment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 7.175(h) of the Regulations and Rules of Practice.)

a avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and ngetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. ephone: (301) 504-8089. http://www.ams.usda.gov/lsg/seed/ls-ed.htm

cording to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The fid OMB control number for this collection of information is (0551-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing thructions, searching existing date sourcess, gathering and maintaining the date needed, and completing and reviewing the collection of information.

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'Orita' Durum Wheat

18.a. Exhibit A. Origin and Breeding History

'Orita' (Experimental designation 'YU895-89') is a durum wheat that originated from the cross 'PH888-118-5'/'WestBred 881' made near Maricopa, AZ in March 1993. The breeding method used was single-head descent modified pedigree. The line 'PH888-118-5' was a F₅ selection with the pedigree 'Turbo alpha-86 S-1'. 'Turbo alpha-86 S-1' was generated by crossing 'WestBred Turbo' onto male sterile F₂ plants in a population designated 'SDP-85. 'SDP-85' was generated by crossing Mexicali, Aldura, WestBred 881, Imperial, Lloyd, WestBred Laker, Mallard 'S', Swan 'S', Kingfisher, PH883-2, PH884-11, and PH884-2 onto male sterile F2 plants from the cross of a male sterile plant in 'Mexicali' with a normal 'Mexicali' plant. The crosses were bulked together to grow the F₁ increase. The male sterile plant in 'Mexicali' was induced by Western Plant Breeders using a chemical mutagenic agent. The F₁ increase from which 'Orita' originated was grown in the field near Bozeman, MT in 1993 and the F₂ seed was harvested in September. The F₂ generation was grown near Maricopa, AZ in 1994. Individual spikes were selected and bulked together to grow the F₃ population near Bozeman, MT in 1994. Individual spikes were harvested in September 1994 and planted as spike rows near Maricopa, AZ in November 1994. The final selection was made in May 1995 in the F₄ row and was increased near Bozeman, Mt in the summer 9f 1995. The resulting F₅ plot was designated YU895-89 and harvested in bulk. Analysis of percent protein, protein quality (SDS Sedimentation test), semolina color and test weight were conducted prior to advancing YU895-89 to yield trials. The F₆ through F₁₀ were yield tested in Arizona and/or California from 1996 through 2000 in Western Plant Breeders' trials. 'Orita' was selected for acceptable pasta making characteristics (See table 2) such as high protein, acceptable semolina color, good SDS sedimentation values as well as for acceptable agronomic traits. (See Table 1) Agronomic traits evaluated include grain yield, plant height, disease resistance, test weight, heading date and lodging resistance.

Thirty-two spikes were selected from F8 plots at Yuma, AZ in 1998 and grown as spike rows near Bozeman, MT in1998. Twenty-four spike row plots were grown near Brawley, CA in 1999. Twenty identical and uniform spike rows plots were selected and bulked together. This bulk was used to seed 4 acres near Bozeman, MT in 1999. This production was harvested in September 1999 and designated 'Breeder' seed. This seed was used to plant approximately 80 acres near Yuma, AZ in the December of 1999. The production was harvested in June of 2000 and designated 'Foundation' and 'Registered' seed. 'Registered' seed was down graded to 'Certified' and was first offered for sale on December 4, 2000.

'Orita'

A variant that is similar to 'Orita' but is 15cm-30cm taller occurs at a frequency of up to .1% (10 per 10,000). A white awn variant occurs at a frequency of up to .5%. (50 per 10,000) Otherwise, 'Orita' is a stable and uniform variety in appearance and performance across several generations (F7-F10) and growing conditions.

18.b. Exhibit B. Statement of Distinctness

'Orita' is most similar to the spring durum variety "Cortez; however, 'Orita' has yellow anthers while Cortez has purple anthers, 'Orita' has white auricles while Cortez has red auricles and the glume shoulders of 'Orita' are wanting while those of "Cortez" are apiculate.

The above comparison, along with the complete Objective Description (Exhibit C) show 'Orita' to be a novel variety of durum wheat.

Table 1. Agronomic characteristics of 'Orita' compared to check varieties in Western Plant Breeder's trials. (1996-2000), (Avg. of 15 locations)

Entry	Yield	T.W.	Protein	SDS	Semolina	Plt. Ht	Heading	% Black	Lodging
	Lbs/A	Lbs/bu	<u>%</u>	Sed.	Color*	<u>Cm</u>	After 3/1	Point**	%***
'Orita'	7533	62.2	14.9	48.5	7.32	93	31	18	8
Cortez	7609	63.5	14.3	41.4	7.21	94	33	8	3
Kofa	6406	62.2	15.0	51.3	7.41	93	26	23	23

^{*} Higher numbers are more yellow and brighter. Color scores are calculations the readings of a Minolta Colorimeter

^{** 5} comparisons

^{*** 4} comparisons

Table 2. Quality characteristics of 'Orita' compared to Cortez in Western Plant Breeder's trials

<u>Trait</u>		<u>'Orita'</u>	Cortez
% Ash		1.8	1.76
Gms/1000K		57.3	51.7
% Semolina Extraction		65.8	65.3
Specks		35	50
Alveograph	"W" "P/L"	192 1.5	154 1.7
% Wet gluten		30.7	28.4
Semolina Color Pasta Analysis	"b"	25,4	25.0
	"b" Color Score Cooked Wt. Gms. % Cooking Loss Firmness	42.5 9.7 30.6 7.4 7.1	40.9 9.2 29.7 7.9 6.6

^{*} Average of three locations. Analysis performed by the California Wheat Commission

REPRODUCE LOCALLY. Include form number and date on all reproductions.

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT C (Wheat)

OBJECTIVE DESCRIPTION OF VARIETY WHEAT (Triticum spp.)

					•
NAME OF APPLICANT(S)				FOR OFFICIAL USE ONLY	
Wes	stern Plant Br	eeders, Inc.		PVPO NUMBER	
ADDRESS (Street and No. or RD)	No., City, State, and Zip Code)				200030
8111 3 Bozema	Timberline Dri an, MT 59718	ve		variety name Orita	
				TEMPORARY OR EXPERIME	ENTAL DESIGNATION
a minimum of 100 plants. may be used to determine pl	Comparative data should be dete	Place the appropriate number that ten number is either 99 or less or 9 ermined from varieties entered in t td: e may delay progress of your appl	lie same trial. Royal i	character of this variety in to Data for quantitative plant of Horticultural Society or any	he boxes below. haracters should be based on recognized color standard
1. KIND:		y and appropriate the second s	loaton.		
2	1=Common	2=Durum	3=Club	4=Other	· (SPECIFY):
2. VERNALIZATIO	N:				
П	1=Spring	2=Winter	3=Other (SF	PECIFY) :	
3. COLEOPTILE AN	THOCYANIN:			······································	
П	1=Absent	2=Present			
4. JUVENILE PLAN	T GROWTH:		•		
3	1=Prostrate	2=Semi-erect	3=Erect		
5. PLANT COLOR (boot stage):				
2	1 = Yellow-Green	2 = Green	3 = Blue-Gree	en .	
5. FLAG LEAF (boot	stage):				
	1 = Erect	2 = Recurved	2	1 = Not Twisted	2 = Twisted
. EAR EMERGENCI	Ε:				······································
02	Number of Days Earli Number of Days Later	110	EZ_		*

	"Orite	a
8. ANTHER COLOR:		20020030
·	Yellow 2 = Pur	ple
9. PLANT HEIGHT (from	soil to top of head, excluding	awns):
00 em	Taller Than KOGA	•
UII cm	Shorter Than <u>Corta</u>	2
10. STEM:		* Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial
A. ANTHOCYAND	v	D. INTERNODE (SPECIFY NUMBER)
1= Absent	2=Present	1= Hollow 2=Semi-solid 3=Solid
B. WAXY BLOOM		E. PEDUNCLE
2 1=Absent	2=Present	Erect Recurred Semi-erect 1=About 2=Present 3=
C. HAIRINESS (las	t internode of rachis)	34 cm Length
I=Absent	2=Present	
1. HEAD (at Maturity):		
A. DENSITY	•	C. CURVATURE
3= 1=Lax 3= Dense	2=Middense	1 = Erect 2 = Inclined 3 = Recurved
B. SHAPE		D. AWNEDNESS
2 1 = Tapering 3 = Clavate	2= Strap 4 = Other (SPECIFY):	$ \begin{array}{c c} \hline $
2. GLUMES (at Maturity):		
A. COLOR		C. BEAK
1 = White	2 = Tan	1 = Obtuse 2 = Acute
3 = Other (SPI	ECIFY) :	3 =Acuminate
B. SHOULDER		D. LENGTH
1 = Wanting 3 = Rounded 5 = Elevated	2 = Oblique 4 = Square 6 = Apiculate	I = Short 2 = Medium (ca. 7mm) (ca. 8mm) 3 = Long (ca. 9mm)

12. GLUMES (at Maturity) Continued:

E. WIDTH

200200030

$ \begin{array}{c c} 3 & 1 = \text{Narrow (ca. 3mm)} & 2 = \\ 3 = \text{Wide (ca. 4mm)} & \end{array} $	Medium (ca. 3.5mm)
---	--------------------

13. SEED:

A.	SHAPE
----	-------

2 1 = Ovate

2 = Oval

3 = Elliptical

C. BRUSH

1=Short

2=Medium

3=Long

1 = Not Collared

2 = Collared

B. CHEEK

1=Rounded

2=Angular

D. CREASE

1 = Width 60% or less of Kernel 2 = Width 80% or less of Kernel

3 = Width Nearly as Wide as Kernel

1 = Depth 20% or less of Kernel 2 = Depth 35% or less of Kernel

3 = Depth 50% or less of Kernel

G. PHENOL REACTION (see instructions):

E. Color

1=White 2= A 4= OTHER (Specify)

2= Amber

3= Red

1 1 = Ivory

2 = Fawn

3 = Light Brown 5 = Black

4 = Dark Brown

F. TEXTURE

1=Hard

2=Soft

14. DISEASE:

(0=Not Tested;

1=Susceptible;

2=Resistant;

3=Intermediate;

4=Tolerant)

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

O Stem Rust (Puccinia graminis f. sp. tritici)

0

Leaf Rust (Puccinia recondita f. sp. tritici)

Stripe Rust (Puccinia strliformis)

O Loose Smut (Ustilago tritici)

Tan Spot (Pyrenophora tritici-repentis)

Flag Smut (Urocystis agropyri)

Halo Spot (Selenophoma donacis)

Common Bunt (Tilletia tritici or T. laevis)

Septoria nodorum (Glume Blotch)

O Dwarf Bunt (Tilletia controversa)

Septoria avenue (Speckled Leaf Disease)

| Karnal Bunt (Tilletia indica)

Septoria tritici (Speckied Leaf Blotch)

Powdery Mildew (Erysiphe graminis f. sp. tritici)

Scab (Fusarium spp.)

"Snow Molds"

80	/20/01	MON 10:58 FA	X 301 504 5291	US	SDA AMS	PVP0	OritA	20026	☑ 005
14.	Disea	se (Continued)	(0=Not Tested;	I=Suscepti	ble; 2	=Resistant	; 3=Intermed	liate; 4=Tolerant)	y v a (
	<u></u>		PLEASE IN	DICATE TI	HE SPEC	CIFIC RAC	E OR STRAIN	TESTED	
	4	"Black Point"	(Kernel Smudge)		0	Commo <i>Bipolari</i>	on Root Rot <i>(F)</i> is spp.)	usarium, Cochliobolu:	s and
	0	Barley Yellow l	Owarf Virus (BYDV)	0	Rhizoct	onia Root Rot	(Rhizoctonia solani)	•
	0	Soilborne Mosa	ic Virus (SBMV)		0	Black C	haff (Xanthom	onas campestris pv. tr	anslucens)
· .	0	Wheat Yellow (Spindle Streak) Mos	aic Virus	0	Bacteria syringae	nl Leaf Blight ()	Pseudomonas syringa	e pv.
	0	Wheat Streak M	losaic Virus (WSM)	ク		Other (SPECIFY)		
red.		Other (SPECIF	Y) ·			Other (S	SPECIFY)		
		Other (SPECIF	Y)			Other (S	SPECIFY)		
		Other (SPECIF	Y)			Other (S	PECIFY)	·	
5. IN	SECT:	(0=Not Teste	d; 1=Susceptible;	2=Resist	ant; 3	=Intermed	liate; 4=Tole	rant)	
			PLEASE S	PECIFY BIO	TYPE ((where nee	ded)	•	
	0	Hessian Fly (Ma	vetiola destructor)			Other (S	PECIFY)		
	0	Stem Sawfly (Cep	phus spp.)			Other (S	PECIFY)	÷	
	0	Cereal Leaf Beetl	e <i>(Oulema melanopa</i>)		Other (S)	PECIFY)	,	
	0	Russian Aphid (Diuraphis noxia			Other (S)	PECIFY)		
••	0	Greenbug (Schize	phis graminum)			Other (SI	PECIFY)		
		Aphids				Other (SI	PECIFY)		
. ADI	<u> </u>		ON ON ANY ITEM	AROVE OI	CENE				

PRODUCE LOCALLY, include form number and edition date on all	ARTECHORISM IN	-CIKM MELLOAED - CHAD HOT GOD LANGE
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E	Application is required in order to del certificate is to be issued (7 U.S.C. 2 confidential until the certificate is issued.	421). The information is held
STATEMENT OF THE BASIS OF OWNERSHIP	The second second second	
I. NAME OF APPLICANT(S)	2 TEMPORARY DESIGNATION	3, VARIETY NAME
A MANUEL CALLE L'ECCATAGE SOL	OR EXPERIMENTAL NUMBER	
Western Plant Breeders, Inc.	YU895-89	Orita
4. ADDRESS (Street sea No. or R.F.O. No. Cay, State, and TIP, and Cauchy)	5. TELEPHONE (Include area code)	6. FAX (Industrates code)
	237-18-17	
8111 Timberline Drive	105 505 1010	106 506 8347
Bozeman, MT 59718	406-587-1218	406-586-8247
	7. PVPO NUMBER	00200030
8. Does the applicant own all rights to the variety? Mark an "X" in the		The second secon
9. Is the applicant (individual or company) a U.S. National or a U.S.	based company? If no, give name of	country YES NO
10. Is the applicant the original owner?) If no, please answer <u>one</u> of the f	following:
a. If the original rights to variety were owned by individual(s), is	(are) the original owner(s) a U.S. Natio	onal(s)?
r YES T N	O If no, give name of country	
	0 1, 1.0, give name or to average	
 b. If the original rights to variety were owned by a company(ie 	s), is (are) the original owner(s) a U.S.	based company?
YES	O If no, give name or country	
11. Additional explanation on ownership (if needed, use the revers	e for extra space):	- * · · · · · · · · · · · · · · · · · ·
PLEASE NOTE:		
	•	
Plant variety protection can only be afforded to the owners (not lice	ensees) who meet the following criteria	• •
 If the rights to the variety are owned by the original breeder, that national of a country which affords similar protection to national 	t person must be a U.S. national, nations of the U.S. for the same genus and s	nat of a UPOV member country, or pecies.
If the rights to the variety are owned by the company which emphationals of a UPOV member country, or owned by nationals of genus and species.	ployed the original breeder(s), the comp a country which affords similar protect	pany must be U.S. based, owned by ion to nationals of the U.S. for the same
3. If the applicant is an owner who is not the original owner, both t	the original owner and the applicant mu	st meet one of the above criteria.
The original breeder/owner may be the individual or company who Act for definitions.	directed the final breeding. See Secti	ion 41(a)(2) of the Plant Variety Protection
According to the Paperwork Reduction Act of 1995, an agency may not conduct or spor control number. The velid OMB control number for this information collection is 0581-0 response, including the time for reviewing the instructions, searching existing data soun The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs of marital or family status. (Not all prohibited bases apply to all programs). Persons with disudictage, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice as	oes, gathering and maintaining the data needed, and on the basis of race, color, national origin, sax, religi	d completing and reviewing the collection of information, on, age, disability, political beliefs, sexual orientation, or retesting of program information forsite, large print,